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MK8016GSG
1.8-inch SATA Hard Disk Drive

Toshiba's latest drive, the MK8016GSG, is set to be the perfect hard disk drive for individuals and developers desiring a more powerful mobile PC in a compacter form. The integration of the Serial ATA interface and 5,400 RPM rotational speed into the compact 1.8-inch Form Factor furthers the evolution of mobile PCs into high-end ultra portable systems.

By combining 80GB into a 1.8-inch form factor weighing only 62 grams with a Serial ATA interface, the MK8016GSG allows greater storage capacity with a higher data transfer rate of 150MB/s. This provides computing capabilities traditionally found in desktop and notebook PCs and allows users to enjoy more data, more videos and more music. In addition, the drive boasts lower power consumption and operating shock of 500G / non-operating shock of 1,500G.

Features MK8016GSG

Data Storage Capacity:	
Per drive, Formatted	80 GB
Number of Platters	2
Number of Heads	4
Bytes/ Sector	512
Rotational Speed (rpm)	5400
Average Seek Time:	msec
Track-to-Track	3
Average	15
Maximum	26
Interface:	
Type	Serial ATA
Buffer (MB)	8
Data Transfer Rate:	150MB/sec
Nominal Power Requirements:	
Voltage (V); Supply	+3.3V (5%)
Sleep (Watts)	0.10
Standby (Watts)	0.15
Read (Watts)	1.4
Write (Watts)	1.4
Start-up (Watts)	2.5

Physical & Environmental Specifications Dimensions –mm:	
Height	8
Width	54
Depth	78,5
Weight	62 g
Ambient Temperature °C :	
Operating	5°~55°
Non-Operating	-20°~65°
Vibration and Shock:	
Operating	2.0 G Vibration/ 15-500 HZ
	500 G Shock 2 ms
Non-Operating	1.500 G Shock 1 ms
Acoustic Noise (Random Seek)	23 dBA
Reliability Characteristics:	
MTTF	600,000 hours

Applications:
- Notebook systems
- External storage
- GPS navigation systems
- Digital Video Camaera

Specifications are subject to change without notice.

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